

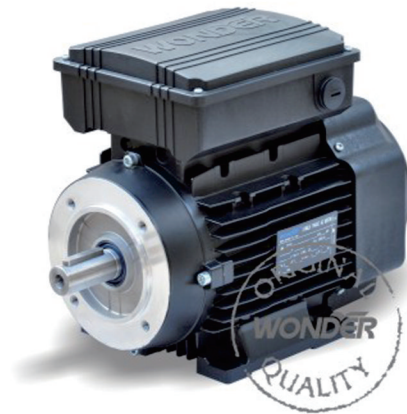
MYd

MCd MLd SERIES

SINGLE PHASE TEFC ALUMINUM

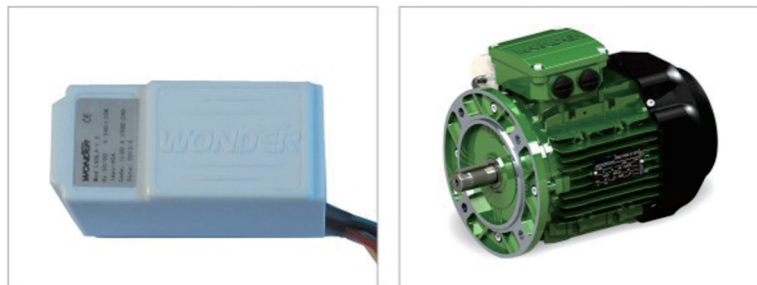
INDUCTION MOTORS

(NEW DESIGN 2012)



The lowercase letter following the traditional MY, MC and ML represent the generation of our products. MYd, MCd, and MLd series are Wonder's most advanced 4th generation single phase motors. Those motors have the product features of low noise, low vibration, high efficiency, wide voltage range, novel appearance, IP55 protection, class F insulation, and mounting dimensions in accordance with IEC standard.

MLd is with dual capacitors, while MYd is capacitor run and MCd is capacitor start. All new single phase motors are with electronic starting switch. MLd and MCd series are suitable for high starting torque application like air compressors, while MYd series is mainly for low starting torque application such as fan and pumps.



INTERNATIONAL STANDARD TECHNICAL SPECIFICATIONS(230±10% 50Hz)

MYd TECHNICAL SPECIFICATIONS

Motor Type	Rated Power KW	HP	Rated speed (r/min)	Torque (N.m)	Full load η %	Power Factor cos φ	Current (A)	Locked Current/ Rated Current (IA/IN)	Locked Torque /Rated Torque (MA/MN)	Maximum Torque /Rated Torque (Mk/MN)
MYd7112	0.37	0.5	2780	1.3	58	0.9	3.08	3.1	0.8	1.9
MYd7122	0.55	0.75	2740	1.9	70	0.9	3.8	3.5	0.7	1.7
MYd8012	0.75	1	2800	2.6	65	0.95	5.3	4.1	0.6	2
MYd8022	1.1	1.5	2730	3.8	74	0.97	6.4	3.6	0.5	1.6
MYd90S2	1.5	2	2835	5.1	74	0.91	9.7	4	0.5	2.1
MYd90L2	2.2	3	2770	7.6	74	0.91	14.2	4.5	0.27	1.8
MYd100L2	2.2	3	2795	7.5	75	0.98	13	4.4	0.43	1.5
MYd7114	0.25	0.33	1270	1.9	53	0.9	2.3	2.4	0.7	1.5
MYd7124	0.37	0.5	1370	2.6	62	0.89	2.9	2.9	0.8	1.3
MYd8014	0.55	0.75	1390	3.8	67	0.89	4	3.2	0.5	1.9
MYd8024	0.75	1	1445	5	73	0.9	4.9	4.5	0.32	1.8
MYd90S4	1.1	1.5	1415	7.4	71	0.93	7.2	3.6	0.5	1.5
MYd90L4	1.5	2	1430	10	78	0.94	9	4.3	0.5	1.7
MYd100L4	2.2	3	1450	14.5	80	0.97	12.3	4.6	0.4	1.7

MLd TECHNICAL SPECIFICATIONS

Motor Type	Rated Power KW	HP	Rated speed (r/min)	Torque (N.m)	Full load η %	Power Factor cos φ	Current (A)	Locked Current/ Rated Current (IA/IN)	Locked Torque /Rated Torque (MA/MN)	Maximum Torque /Rated Torque (Mk/MN)
MLd7112	0.37	0.5	2780	1.3	58	0.9	3	3.2	2.5	1.9
MLd7122	0.55	0.75	2740	1.9	69	0.89	3.9	3.5	1.9	1.7
MLd8012	0.75	1	2800	2.6	65	0.95	5.3	5.3	2.9	2
MLd8022	1.1	1.5	2730	3.8	74	0.97	6.7	4.2	2.9	1.6
MLd90S2	1.5	2	2835	5.1	74	0.9	9.8	5.1	2.5	2.1
MLd90L2	2.2	3	2770	7.6	74	0.9	14.4	4	1.8	1.8
MLd100L2	2.2	3	2795	7.5	75	0.98	13	4.3	1.8	1.8
MLd7114	0.25	0.33	1270	1.9	53	0.9	2.3	2.4	3	1.5
MLd7124	0.37	0.5	1370	2.6	62	0.88	2.9	2.9	2.5	1.3
MLd8014	0.55	0.75	1390	3.8	67	0.88	4	3.3	2.3	1.8
MLd8024	0.75	1	1445	5	74	0.9	4.8	5.4	2.4	2
MLd90S4	1.1	1.5	1415	7.4	71	0.98	6.9	4.8	2	1.5
MLd90L4	1.5	2	1430	10	79	0.95	8.7	4.7	1.8	1.7
MLd100L4	2.2	3	1450	14.5	81	0.97	12.1	4.6	1	1.7

NATIONAL STANDARD TECHNICAL SPECIFICATIONS (230v±10% 50Hz)

MYd TECHNICAL SPECIFICATIONS

Motor Type	Rated Power KW	HP	Rated speed (r/min)	Torque (N.m)	Full load η %	Power Factor cos φ	Current (A)	Locked Current/ Rated Current (IA/IN)	Locked Torque /Rated Torque (MA/MN)	Maximum Torque /Rated Torque (Mk/MN)
MYd7112	0.37	0.5	2750	1.31	67	0.92	2.6	3.9	0.35	1.7
MYd7122	0.55	0.75	2760	1.94	70	0.92	3.7	4.1	0.35	1.7
MYd8012	0.75	1	2780	2.63	72	0.92	5	4	0.33	1.7
MYd8022	1.1	1.5	2790	3.84	75	0.95	6.7	4.4	0.33	1.7
MYd90S2	1.5	2	2800	5.22	76	0.95	9	5	0.3	1.7
MYd90L2	2.2	3	2800	7.66	77	0.95	13	5	0.3	1.7
MYd7114	0.25	0.33	1370	1.78	61	0.92	1.93	3.6	0.35	1.7
MYd7124	0.37	0.5	1370	2.63	62	0.92	2.8	3.5	0.35	1.7
MYd8014	0.55	0.75	1380	3.88	64	0.92	4	3.75	0.35	1.7
MYd8024	0.75	1	1380	5.3	68	0.92	5.2	3.9	0.32	1.7
MYd90S4	1.1	1.5	1390	7.71	71	0.95	7	4.65	0.32	1.7
MYd90L4	1.5	2	1400	10.4	73	0.95	9.4	4.8	0.3	1.7

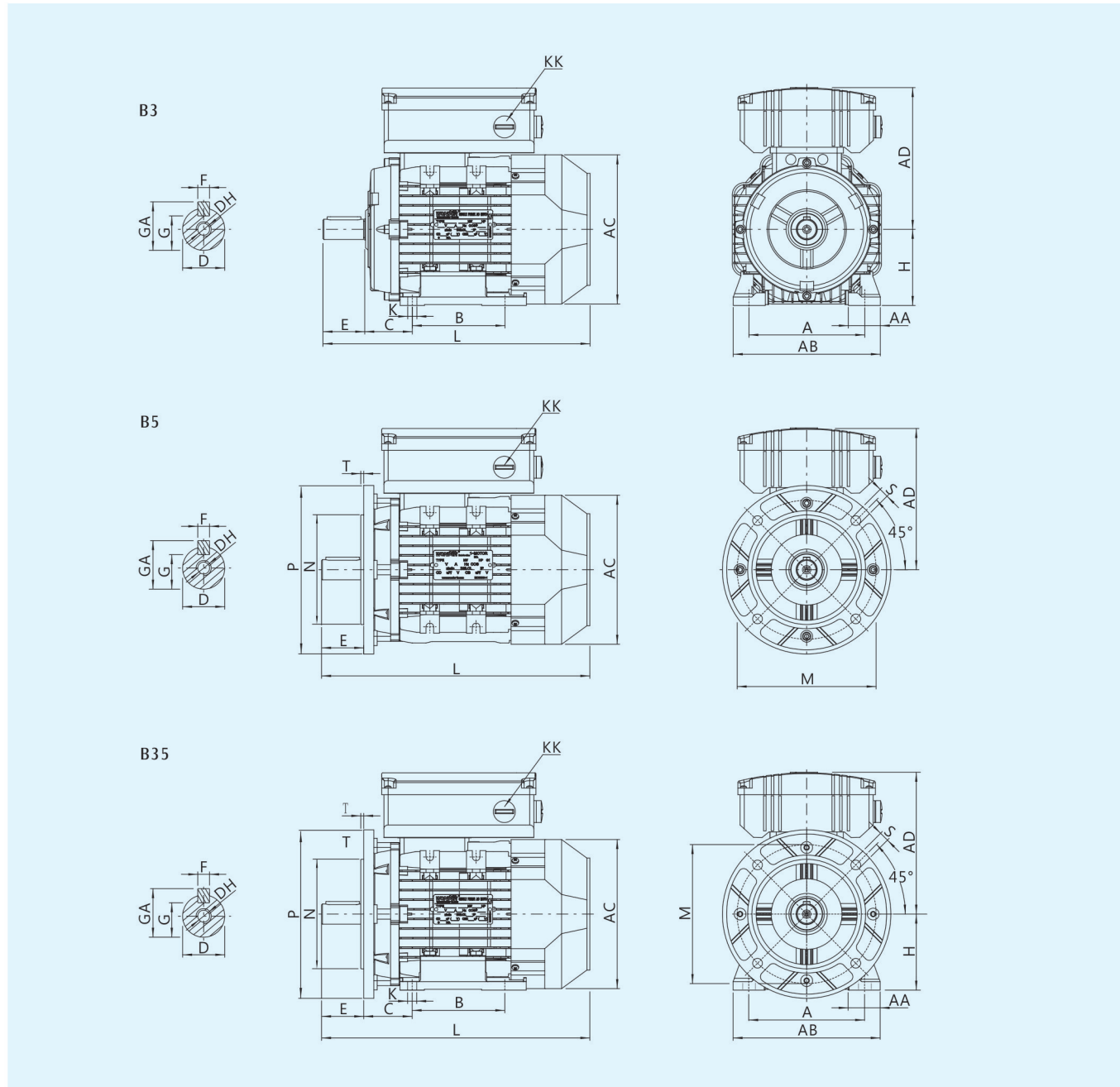
MCd TECHNICAL SPECIFICATIONS

Motor Type	Rated Power KW	HP	Rated speed (r/min)	Torque (N.m)	Full load η %	Power Factor cos φ	Current (A)	Locked Current/ Rated Current (IA/IN)	Locked Torque /Rated Torque (MA/MN)	Maximum Torque /Rated Torque (Mk/MN)
MCd7112	0.18	0.25	2750	0.64	60	0.72	1.8	6.7	3	1.8
MCd7122	0.25	0.33	2770	0.88	64	0.74	2.3	6.6	3	1.8
MCd8012	0.37	0.5	2800	1.28	65	0.77	3.2	6.6	2.8	1.8
MCd8022	0.55	0.75	2790	1.9	68	0.79	4.45	6.6	2.8	1.8
MCd90S2	0.75	1	2820	2.59	70	0.8	5.8	6.4	2.5	1.8
MCd90L2	1.1	1.5	2820	3.8	72	0.8	8.3	7.3	2.5	1.8
MCd100LA2	1.5	2	2830	5.17	74	0.81	10.8	7.4	2.5	1.8
MCd100LB2	2.2	3	2830	7.5	75	0.81	15.7	7.7	2.2	1.8
MCd112M2	3	4	2840	10.2	76	0.82	20.9	7.2	2.2	1.8
MCd7114	0.12	0.16	1350	0.87	50	0.58	1.8	5	3	1.8
MCd7124	0.18	0.25	1370	1.28	53	0.62	2.38	5.1	2.8	1.8
MCd8014	0.25	0.33	1400	1.74	58	0.63	2.97	5.1	2.8	1.8
MCd8024	0.37	0.5	1410	2.55	62	0.64	4.05	5.2	2.5	1.8
MCd90S4	0.55	0.75	1420	3.77	66	0.69	4.98	5.2	2.5	1.8
MCd90L4	0.75	1	1420	5.1	68	0.73	6.56	5.7	2.5	1.8
MCd100LA4	1.1	1.5	1430	7.5	71	0.74	9.1	6.6	2.5	1.8
MCd100LB4	1.5	2	1430	10.2	73	0.75	11.9	6.8	2.5	1.8
MCd112M4	2.2	3	1440	14.9	74	0.76	17	7.1	2.2	1.8

MLd TECHNICAL SPECIFICATIONS

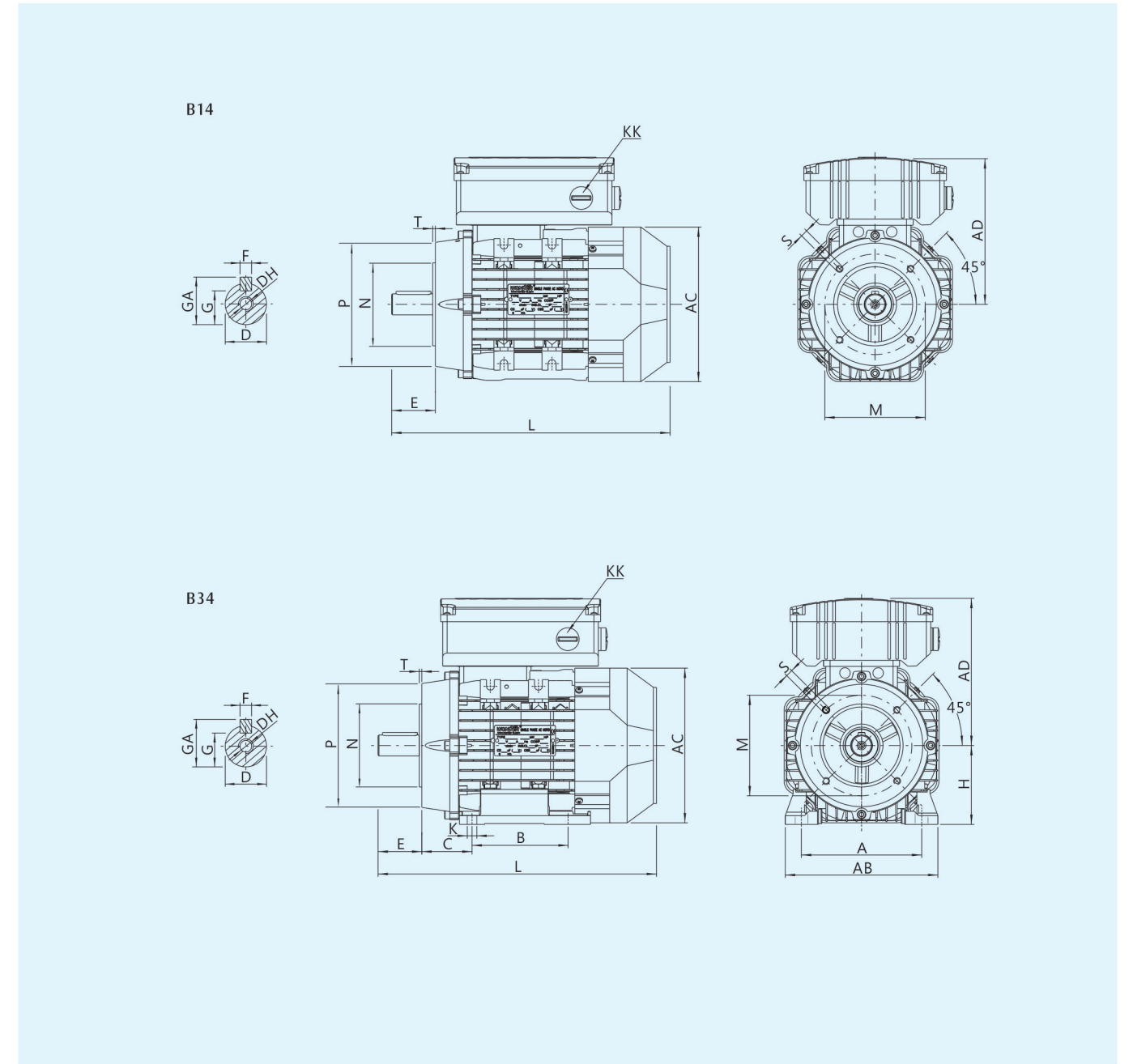
Motor Type	Rated Power KW	HP	Rated speed (r/min)	Torque (N.m)	Full load η %	Power Factor cos φ	Current (A)	Locked Current/ Rated Current (IA/IN)	Locked Torque /Rated Torque (MA/MN)	Maximum Torque /Rated Torque (Mk/MN)
MLd7112	0.37	0.5	2750	1.31	67	0.92	2.6	3.7	1.8	1.6
MLd7122	0.55	0.75	2760	1.94	70	0.92	3.7	3.9	1.8	1.6
MLd8012	0.75	1	2780	2.63	72	0.92	4.9	5.5	1.8	1.6
MLd8022	1.1	1.5	2790	3.84	74	0.95	6.7	5.5	1.8	1.6
MLd90S2	1.5	2	2800	5.22	75	0.95	9.1	5.5	1.8	1.6
MLd90L2	2.2	3	2800	7.66	76	0.95	13.2	5.5	1.7	1.6
MLd100L2	3	4	2820	10.3	78	0.95	17.6	6	1.7	1.6
MLd112M2	3.7	5	2820	12.7	79	0.95	21.4	6	1.7	1.6
MLd7114	0.25	0.33	1370	1.78	62	0.92	1.9	3.9	1.7	1.6
MLd7124	0.37	0.5	1370	2.63	65	0.92	2.7	4	1.7	1.6
MLd8014	0.55	0.75	1380	3.88	68	0.95	3.7	5.5	1.7	1.6
MLd8024	0.75	1	1380	5.3	70	0.95	4.6	5.5	1.7	1.6
MLd90S4	1.1	1.5	1390	7.71	71	0.95	7	5	1.7	1.6
MLd90L4	1.5	2	1400	10.4	73	0.95	9.4	5	1.7	1.6
MLd100LA4	2.2	3	1410	15.2	75	0.95	13.4	5	1.7	1.6
MLd100LB4	3	4	1420	20.5	77	0.95	17.8	5	1.7	1.6
MLd112M4	3.7	5	1430	25.2	78	0.95	21.7	5.5	1.7	1.6

MOUNTING AND OVERALL DIMENSIONS



Frame size	A	AA	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T	GA
71	112	26	136	141	109	90	45	14	M5	30	5	11	71	7	M18	218	130	110	160	10	3.5	16
80	125	30	153	157	158	100	50	19	M6	40	6	15.5	80	10	M20	288	165	130	200	12	3.5	21.5
90S	140	37	174	176	167	100	56	24	M8	50	8	20	90	10	M20	319	165	130	200	12	3.5	27
90L	140	37	174	176	167	125	56	24	M8	50	8	20	90	10	M20	337	165	130	200	12	3.5	27
100	160	38	193	191	177	140	63	28	M10	60	8	24	100	12	M20	378	215	180	250	14.5	4	31
112	190	41	220	215	190	140	70	28	M10	60	8	24	112	12	M20	398	215	180	250	14.5	4	31

MOUNTING AND OVERALL DIMENSIONS



Frame size	A	AA	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T	GA
71	112	26	136	141	109	90	45	14	M5	30	5	11	71	7	M18	218	85	70	105	M6	2.5	16
80	125	30	153	157	158	100	50	19	M6	40	6	15.5	80	10	M20	288	100	80	120	M6	3	21.5
90S	140	37	174	176	167	100	56	24	M8	50	8	20	90	10	M20	319	115	95	140	M8	3	27
90L	140	37	174	176	167	125	56	24	M8	50	8	20	90	10	M20	337	115	95	140	M8	3	27
100	160	38	193	191	177	140	63	28	M10	60	8	24	100	12	M20	378	130	110	160	M8	3.5	31
112	190	41	220	215	190	140	70	28	M10	60	8	24	112	12	M20	398	130	110	160	M8	3.5	31

